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Sheet	1	of	1
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**Complete if Known**

Application Number	10/623,686
Filing Date	July 21, 2003
First Named Inventor	Stephen A. FACTOR et al.
Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	EI-7597

## U. S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (if known)			
CD		EP 0 268 353 A1	05-25-1988	Doyle et al.	
CDT		EP 1431 372 A2	06-23-2004	Aradi et al.	

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Signature**

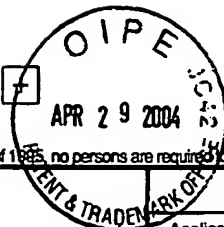
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Complete If Known

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 5

Application Number	10/623,686
Filing Date	July 21, 2003
First Named Inventor	Steve A. Factor, et al.
Group Art Unit	1714
Examiner Name	Not Assigned
Attorney Docket Number	EI-7597

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Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
CST		US 6,361,754 B1		Peter-Hoblyn et al.	3/26/2002	
		US 6,200,358 B1		Fleischer et al.	3/13/2001	
		US 6,193,767 B1		Arters et al.	2/27/2001	
		6,152,972		Shustorovich et al.	11/28/2000	
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		6,051,040		Peter-Hoblyn	4/18/2000	
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		5,928,392		Aradi	7/27/1999	
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		5,809,774		Peter-Hoblyn et al.	9/22/1998	
		5,758,486		Rao et al.	6/2/1998	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
CST		EP	0 466 512	B1	Leeper	6/29/94		
		EP	0 507 510	A1	Hollrah, Don Paul et al	10/07/92		
		EP	0 667 387	A2	Perry, Newton A. et al	8/16/1995		
CST		EP	0668 899	B1	Peter-Hoblyn et al	09/20/00		

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Sheet <b>2</b> of <b>5</b>		Application Number		10/623,686	
		Filing Date		July 21, 2003	
		First Named Inventor		Steve A. Factor, et al.	
		Group Art Unit		1714	
		Examiner Name		Not Assigned	
		Attorney Docket Number		EI-7597	

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		Number	Kind Code <sup>2</sup> (if known)			
CST		5,732,548		Peter-Hoblyn	3/31/1998	
		5,679,116		Cunningham et al.	10/21/1997	
		5,599,357		Leeper	2/4/1997	
		5,584,894		Peter-Hoblyn et al.	12/17/1996	
		5,551,957		Cunningham et al.	9/3/1996	
		5,501,714		Valentine et al.	3/26/1996	
		5,376,154		Daly et al.	12/27/1994	
		5,340,369		Koch et al.	8/23/1994	
		5,113,803		Hollran et al.	5/19/1992	
		5,034,020		Epperly et al.	7/23/1991	
		4,955,331		Hohr et al.	9/11/1990	
		4,946,609		Pruess et al.	8/7/1990	
		4,908,045		Farrar	3/13/1990	
		4,891,050		Bowers et al.	1/2/1990	
		4,804,388		Kukin	2/14/1989	
		4,674,447		Davis	6/23/1987	
		4,670,020		Rao	6/2/1987	
		4,664,677		Dorer, Jr. et al.	5/12/1987	
CST		4,588,416		Zaweski et al.	5/13/1986	
		4,588,357		Simon	2/4/1986	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
CST CST		EP	1 368 444	A1	Openshaw et al.	12-10-2003		
		WO	02/48293	A1	Roos et al.	06-20-2002		
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Sheet 3 of 5

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Application Number	10/623,686
Filing Date	July 21, 2003
First Named Inventor	Steve A. Factor, et al.
Group Art Unit	1714
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		Number	Kind Code <sup>2</sup> (if known)			
CST		4,474,580		MacKenzie et al.	10/2/1984	
		4,390,345		Somarjai	6/28/1983	
		4,317,657		Niebylski	3/2/1982	
		4,266,946		Niebylski	5/12/1981	
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		4,139,349		Payne	2/13/1979	
		4,104,036		Chao et al.	8/1/1978	
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		2,818,417		Brown et al.	12/31/1957	
		2,151,432		Lyons et al.	3/21/1939	
CST		2,086,775		Lyons et al.	7/13/1937	
		20020112466		Roos et al.	8/22/2002	
		20030177758		Roos et al.	11/25/2003	
		6,206,685		Zamansky, et al.	3/27/2001	
		6,039,772		Orr	3/21/2001	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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		First Named Inventor	Steve A. Factor, et al.
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		Examiner Name	Not Assigned
Sheet 4 of 5	Attorney Docket Number	EI-7597	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CST		Falx, Louis J.; A study of the Effects of Manganese Fuel Additive on Automotive Emissions; SAE [Tech. Pap.], 780002, pp. 1-12 <i>Date unknown</i>	
		Fekete, Nicholas; Gruden, Igor; Voigtlander, Dirk; Nester, Ulrich; Krutzsch, Bernd; Willand, Jurgen; and Kuhn, Michael; Advanced Engine Control and Exhaust Gas Aftertreatment of a Leanburn SI Engine; SAE [Tech. Pap.] 972873; pp. 1-10 <i>Date unknown</i>	
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		Lenane, D. L.; Effect of MMT on Emissions from Production Cars; SAE [Tech. Pap.], 780003, pp. 1-20	
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		Farrauto, Robert J.; Mooney, John J.; Effects of Sulfur on Performance of Catalytic Aftertreatment Devices; SAE [Tech. Pap.] 920557, pp. 1-7	
		Jelles, S.J.; Makkee, M.; Moulijn, J.A.; Acres, G.J.K.; and Peter-Hoblyn, J.D.; Diesel Particulate Control. Application of an Activated Particulate Trap in Combination with Fuel Additives at an Ultra Low Dose Rate; SAE [Tech. Pap.], 1999-01-0113, pp. 1-6	
		Eolys™ Fuel-Borne Catalyst for Diesel Particulates Abatement: A Key Component of an Integrated System, DieselNet Technical Report, Sept. 1999, pp.1-9.	
CST		Guyon, M.; Blejean, F.; Bert, C.; LeFaou, PH.; Impact of Sulfur on Nox Trap Catalyst Activity-Study of the Regeneration Conditions; SAE [Tech. Pap.] 982607, pp. 87-95	

Examiner Signature		Date Considered	12/05
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Sheet 5 of 5

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### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
COT		Arakawa, Kenji; Matsuda, Satoshi; and Kinoshita, Hiroo; Progress in Sulfur Poisoning Resistance of Lean NOx Catalysts; SAE [Tech. Pap.] 980930, pp. 111-118	
		Dearth, Mark A.; Hepburn, Jeffrey S.; Thanasiu, Eva; McKenzie, JoAnne; Home, Scott G.; Sulfur Interaction with Lean Nox Traps: Laboratory and Engine Dynamometer Studies; SAE [Tech. Pap.] 982595, 1998, pp. 1-9	
		Aradi, Allen A.; Roos, Joseph W.; Fort, Jr., Ben F.; Lee, Thomas E.; and Davidson, Robert I.; The Physical and Chemical Effect of Manganese Oxides on Automobile Catalytic Converters; SAE [Tech. Pap.] 940747, pp. 207-218 <i>Date unknown</i>	
		Baile, J. D.; Michalski, G. W.; Unzelman, G. H., MMT-A Versatile Antiknock; Natl. Pet. Refiners Assoc., [Tech. Pap.], AM-78-36, pp. 1-20 <i>Date unknown</i>	
		Valentine, James M.; Peter-Hoblyn, Jeremy D.; and Acres, G.K., Emissions Reduction and Improved Fuel Economy Performance from a Bimetallic Platinum/Cerium Diesel Fuel Additive at Ultra-Low Dose Rates; SAE [Tech. Pap.], 2000-01-1834, pp. 1-9	
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		Stultz, S.C., Kitto, J.B., Editors; "NOx Formation conditions"; Babcock & Wilcox, a McDermott Company; Steam, its generation and use, 40th ed., p. 34-4 to 34-9, 1992.	
COT		MILLER, R. et al., "A Super-Extended Zel'dovich Mechanism for NOx modeling and Engine Calibration," SAE Technical Paper 980781, 1998.	

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*COT*

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